Plant Operations Notebook, PN-97-01-27

This pocket notebook was used by Edison, probably in 1898, for notes, calculations, and drawings. The book contains a variant version of the cost and financial information recorded in PN-97-00-00.2. Also included are two versions of a proposal for a syndicate to finance operations at the Ogden works, a proposal for a "small temporary syndicate" to purchase the phonoplex business, and notes and drawings regarding mill operations and machinery. The pages are unnumbered, and the book has been used in both directions. Approximately 40 pages have been used. The book has been filmed at a reduction ratio of 10:1.

Syndicate, 15 or 20 persons
Capital 75,000
Manager Brooks

Object of Syndicate,
Advance money to the
Nipha Cmty Works
for operating plant now
ready

1st Security notes of the Co
endorsed by Edison
6% interest

2nd ~~assignment~~ on Shipped
to be billed + account
assigned to Syndicate
as additional Security

Notes and cash received from sales of ore to ~~buy~~ Co. mill to be guaranteed notes until paid in full.

Profits of Syndicate
1st 6% interest

2nd Syndicate to receive profits on: ore up to ten thousand tons, profits determined independent of general depreciation on plant.

3rd Syndicate to have option at par one 75 000 of 100 stock ~~after~~

if taken ~~[illegible]~~ ~~mill~~ within one year

1 Shift

Coal		
Draper P 5 tons	14	00
" 2 2 "	5	60
" 3 1 "	2	80
Ovens at Pricker 16 tons	44	80
Barberick 10 tons	27	50
Climax 14 "	38	50
Pricker Climax 6 "	16	50
Vulcan + Victor 4 "	11	00
Lucas - 2 tons	5	50
Dam, Wood Equiv. 2 tons	5	50
	171	80

Thank it would be $53 lower
if was Run at Bee Ovens
Boys 2 43

Power plant		
2 firemen	3	25
1 Engineer	3	00
Dynamo tender	1	50
Indicator man	1	25
General Electrician	3	00
2 Day assistant	3	00
1 Repairman	1	75
	16	75

Briquetting		
Supt	4	10
Foreman	2	50
B line	1	25
Dryer	1	25
Muck at mixer	1	50
Mixer watcher	1	25
Conveyor Belt watchers	1	25
2 foremen ovens	3	00
2 Under Brickers	2	50
2 Muck Hoisters	2	75
2 at Loading	2	60
1 No 3 Stock Pile Belts	1	25
1 other " "	1	35
1 Engineer	3	00
1 Chimney fireman	1	75
6 Bricker men " "	7	50
1 Repair machinist	2	25

2 cleaners	2	50
1 Thermometer	1	25
1 Loco B Tender	1	25
	46	15

3 - carried forward
46 -

Mining		
Mine Boss	4	00
" " assistant	3	00
Surveyor	3	00
Track Foreman	2	50
1 Track + General	17	50
Vulcan	16	25
Victor	16	25
3 Locos	4	80
3 Brakeman	4	50
2 Trimmers	2	50
10 Drillers	17	50
10 Helpers	12	50
2 powder	2	50
2 Blacksmiths	4	00
2 " Helpers	2	50
Extra —	10	00
Sum	123	30

General. $30 cash got off

Oil house	1	25
Yard foreman	2	50
12 yard men	18	00
4 store "	6	50
Shipping + Recg clerk	2	00
Cunningham	4	00
" Clerk	2	00
4 Clerks	9	00
1 Draughtsman	4	00
3 Machinists "	4	50
8 Carpenters "	18	00
24 Machinist "	54	00
7 Boys	7	00
1 Stable "	1	50
3 Carts "	5	00
1 Steam filter	2	50
Chief Engineer	5	00
	136	75

	136	75
Master Mec	5	00
Asst Supt	6	00
Day foreman	3	50
Dam Engineer	1	75
Muzzleman	1	25
3 Assay	3	25
3 Blacksmith	6	00
3 " Helper	3	75
2 Boys office	2	00
Extra "	15	00
	184	25
Shipping -		
1 Foreman	2	50
20 men	25	00
4 Carts	8	00
	35	50

Crushing Plant		
Dynamo Tender	1	25
Engineer	3	00
4 chamers	5	00
2 Top Dumpers	2	60
3 Small Rail men	4	20
2 Crane men	3	00
Dryer foreman	1	75
1+2 Conveyor	1	40
Dryer Top	1	50
Conveyor 3	1	75
Shoveller	1	25
Fireman	2	50
Manager	4	50
Giant & Melendrich	1	40
Roller feed	1	35
	36	45

Mill 1		
Supt	5	00
Foreman	3	00
Under 1 Stock H	1	25
Runway 4+5	1	25
Top 4+5 Conveyor	1	75
Under floor	1	60
2 Stockmen	3	20
Pit	1	60
Middle Mill	1	60
South End	1	60
Top Dryer 2	1	50
Fireman	1	35
14 M Screens	1	75
14" Magnets	1	60
Top Elev 4+5	1	60
Over 8" Magnets	1	50
8" Mag	1	75
4 Magnets	2	00
Blower	1	60

Belt Machine	1	60	Cost Muck	4.4 cents	Ton Gross
Sand	1	50	" Dynamite	1.8 "	"
Stockhs etc	1	50	Wear plates shutes	3¢ "	"
2 Cleaners -	2	70	Other wear	3¢ "	"
Boy	1	00			
Order	1	50		Daily	
2 Fireman	3	25	Taxes Ins + Drainage		75 00
1 Coal passer	1	25			
2 Engineers	6	00			
	56	45			

Big Mill Mt Olive
1600 Tons
Cost $1.-
Sell at
$1.60 -
profit 2 million

4.4 tons

Crude to ton 68%

Conc to Basis.

Day

Resume

Coal	171	80
Power plant	16	75
Briquetting	46	15
Mining	123	30
Haul	184	25
Crushing plant	36	45
Mill 1	56	45
Outside general	75	00
	710	15

add 52¢ per ton concentrate for Dynamite, wear, + Mulch.

Night shift 467.00

Total $1177.00

80 ft –

Day run only

	Cost Pinch	
1000 tons	3	64
1200 "	3	12
1400 "	2	75
1600 "	2	47
1800 "	2	25
2000 "	2	08

~~1400 tons 5.5 loss 7 cents 22 ton~~

1400 tons " 19 c gain

Both Days mg.

			Cinc	c	
2000	3	11	454	27	35 5 25
2400	2	68	545	70	110 490
2800	2	37	636	101	186 180
3200	2	13	727	125	245 000
3600	1	95	818	143	339 300
4000	1	81	909	157	413 830

6 c unit

	Cost	output
1000 tons	364	222
1200	212	272
1400	275	363
1600		

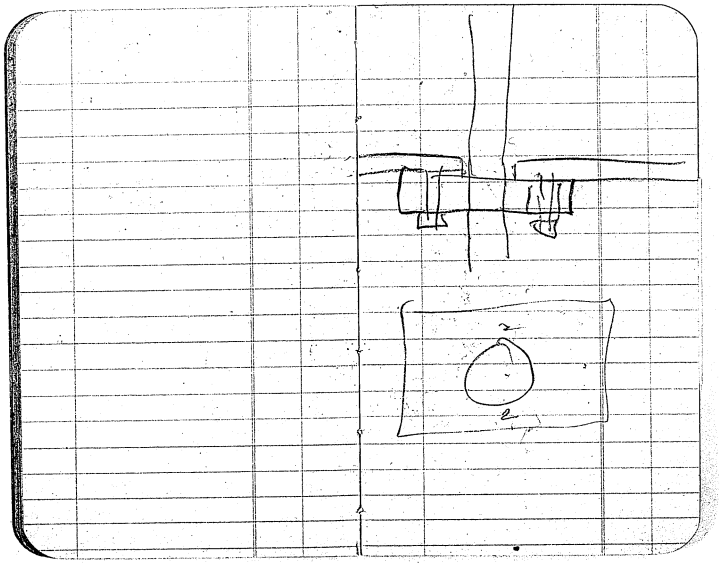
	Loss yearly
Receipts p.t. = 294.	46600
"	14600
~~Gain~~	20690

Oneshift
5.5

Crush	Cost	Loss year
1000	227	47 000
1200	272	14 600
1400	318	gain 18 000
1600	363	" 51 000
1800	409	84 600
2000	454	117 000

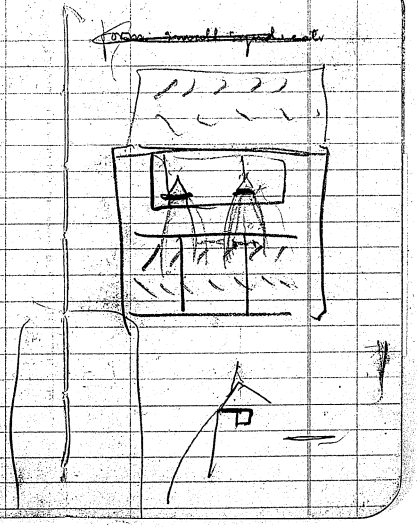
6c

Loss	21 000
profit	17 000
"	53 300
	93 650
	117 612
	170 000



	Sizes
Rolls 3 High	3
Giant Roll	2
4 ft Roll	1
36 "	2
24 "	1
14 "	1
12 "	1
Elevators	4
Conveyors swing Belts	3
" New swing	3
Scraper V	3
Screper	3
Breaking Machs	3
Rope Screw Conveyors	3
Dryers	4
Dedusters	6
Drying Ovens	4
Mixers	3
Screens	3
Magnetic Separators	6

Self ordering Rollers 4
Wobblers 5
Rollerfeeds 6



form small temporary
Syndicate Capital 25,000
10 or 15 subscribers
purchase embrace, patent or
business of phonograph from
Edison at 20 000 cash.

Appoint a manager of
Syndicate to run it
until you form a Company
& use the 500 for a
travelling man & expenses
& work up business

2nd form a Co or
transfer the holdings of
the Syndicate to new
Co for 75 000 & stock
bonus –

45
225

2283

Jany 27th	Feby 1 notes	4268
In bank $12000	" 6 "	200
with Dec payroll paid	" 25 Poly Renewal	1965
& ———	22 payroll	4500
	Oct + Nov open act.	1472
	25th Orange	400
	25 Conley	260
	25 Taxes	900
	& Nott Note Renewable	5000
	25th Upton rev "	6500
	~~25th Phoenix Trust~~ "	5000
	March 1 Taxes	1400
	Notes	3075
	Notes renewable	8006
	" 8th prbl. 1/2 Renewal	2060
	" 15 Dec open acts	621
	22 payroll	4500
	22 O&C	250
	25 Orange	400
	20 Bergmann	5000

April 1st Notes	5198
6th "	269
20 "	10 71
22 payroll	4500
gang Open accts.	~~2500~~
Orange	400
O&C	250
Royalties	
Insurance	
20, Alexander	12000
24 Russell	20 000
May 3rd E9CC	2738
May Notes	10.666
payroll	4500
Open accts	
O&C	250
Orange	400
11th 9 Bloomm	5000
Insurance	

June Notes	3292
payroll	4500
Open accts	
O&C	250
Orange	400
Royalties	
Insurance	
27th Dyer	8000
July Notes	1086
17th Mrs Lyter.	700

38
3
12) 114 (9
108

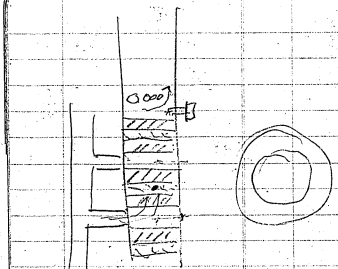
124

1500
3
9) 4500 (500
2500

122

60

10.9 off-



363
19
3267
363
6891.300
20.691

44) 1200 (272
88
320
316
12

68
532
340

364
294
70

340
374
80

222
74
1554.000
4662.000

222) 77800 (319
666
41
222
198
19

52
371

312
294
18

275
294
81
294
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19

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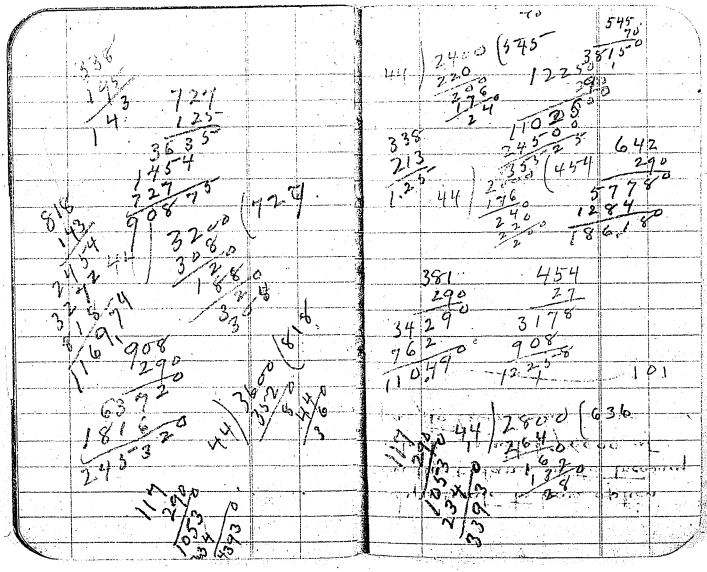

[THIS BOOK WAS USED IN BOTH DIRECTIONS.
THE FOLLOWING PAGES WERE FILMED FROM
THE BACK END FORWARD.]

Syndicate 10 or 15 persons

Capital $75 000.

Manager - - - - - -

Object of Syndicate to finance the New Jersey & Penna Concentrating Works for operating their plant,

1st Money to be advanced from time to time for labor and materials

2nd for advances thus made Syndicate is to receive notes of the Company ~~indorsed~~ by Edison

over

2nd As additional security, ore as fast as shipped to be billed and account assigned to the Syndicate,

4th Notes and cash received for ore to be used to liquidate the advances of the Syndicate until paid —

Profits to Syndicate

1st 6% on the advances

2nd All the profits from the first 10,000 tons of ore to go to Syndicate, profits determined independent of general depreciation charges

over

Syndicate to have option on the balance of the treasury stock to wit, $78,000 at par, to be exercised in one year